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7	K	AR	3,573,975		04/19	71	Dhaka et	al.				117	21	2			
		BR	3,648,587		03/19	72	Stevens					95	44	<u> </u>		<u> </u>	
		CR	4,346,164		08/19	82	Tabarelli (et al.			<u>. </u>	430	31	1			
		DR	4,396,705		08/19	83	Akeyama	et al.				430	32	26			
		ER	4,480,910		11/19	84	Takanash	i et al.				355	30)			
		FR	4,509,852		04/19	85	Tabarelli d	et al.				355	30)			
	L	GR	5,040,020		08/19	91	Rauscher	bach	et al.		•	355	53	1			
		HR	5,121,256		06/19	92	Corle et a	I.				359	66	i4		<u></u>	
	IR 5,610,683				03/19	97	Takahash	ıi				355	53	<u>; </u>		<u> </u>	
		JR	5,715,039	02/19	98	Fukuda e	t al.				355	53	<u>; </u>				
		KR	5,825,043	10/19	98	Suwa					250	54	8_				
		LR	5,900,354		05/19	99	Batchelde	<u> </u>					39	15			
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		ZR	M. Switkes et al. December 17, 2		rsion I	Lithogra	aphy at 15	7 nm",	MIT Lincoln	Lab,	Orlando 2001	1-1,			<u>. </u>		
		AAR	M. Switkes et al. 6, November/De					7 nm",	J. Vac. Sci.	Techr	nol. B., Vol. 1	9, No.					
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		EER	2002/0163629		11/200	2	Switkes	et al.		•		355	5	3			
	•		2003/0123040		07/200	3	Almogy					355	6	9			
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8	a		B.J. Lin, "Drivers, September 2002													<u> </u>	
1	1/1	BBBR	B.J. Lin, "Proximit	y Print	ing Thro	ough l	_iquid", IE	BM Tec	chnical Disc	losure	Bulletin, Vo	.20,					
			No. 11B, April 19	/8, p. 4	199/							· O ·	<u> </u>		<u></u>	<u> </u>	<u> </u>
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9/	ННН	B.J. Lin, "The Pa Optical/Laser Mi						thography",	SPI	E Vol. 922,					1
0	IIIR	G.W.W. Stevens Technology, Aug	, "Red	uction	of Was	te Resultin	g from	Mask Defe	cts"	, Solid State					
	JJJF	S. Owa et al., "In Microlithography	nmersio	on Lith	ograph	y; its poter	itial pe	rformance a	nd i	issues", SPIE					T
	ккк	S. Owa et al., "A (2003)						n Lithograph	y", l	Proc. SPIE 504	0				T
	LLLF	Nikon Precision	Europe	Gmbl	l, "Inve	stor Relati	ons – I	Nikon's Rea	I So	lutions", May 1	5,				
	MMN	H. Kawata et al. Greater than Uni								lumerical Apert	ures				T
	NNN	J.A. Hoffnagle et Vac. Sci. Techno	al., "Li	quid In	nmersio	on Deep-U	Itraviol	et Interferon	netr		, J.				T
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	PPP	H. Kawata et al., with an Oil Imme	"Fabric	cation o	of 0.2µ	m Fine Pat	terns l	Jsing Optica	l Pr	ojection Lithogo	raphy			-	T
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PK	AR	2004/0000627A	\1	01/0	1/2004	Karl-Heinz	SCHUSTER	•					_
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Ph	YR	H. Hogan, "Nev SPECTRA, Pho						h", PHOTONICS tion, pgs. 1-3					
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	KR	WO2004/019128	03/20	04	PCT	•	ОМИ	RA et al.						, ,	
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	SR	H. HATA, "The Deve SEMATECH, Los A	ngeles	, Janu	ary 2	27-29, 2004	, Slide	Nos. 1-22				•			1
	TR	T. MATSUYAMA et 5377-65, March, 20	04		_								ļ	<u> </u>	igspace
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-4	1/2	AR	4,390,273	06/1983	LOEBACH et al	<u> </u>		355	125		 	
		BR	6,236,634 B1	05/2001	LEE et al.			369	112		 	
		CR	2002/0020821	02/2002	VAN SANTEN 6			250	492		<u> </u>	
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	K	HR	JP 2000-058436	02/2000	JAPAN	FUJISHIMA et al.			X		ļ	<u> </u>
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		PR	WO 2004/053957 A1	06/2004	PCT	HIDAKA et al.			X		<u> </u>	
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